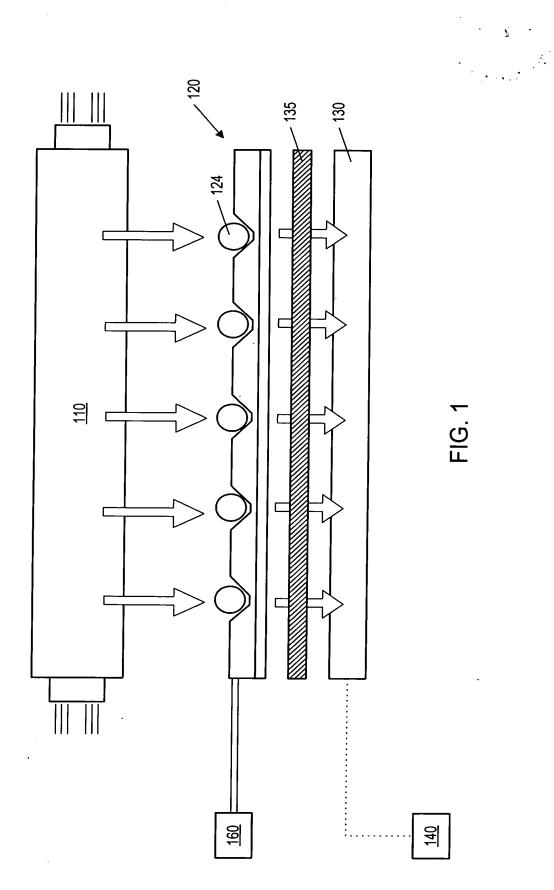
Application No.: 09/287,248 Filed: April 7, 1999

Inventor: McDevitt et al. Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

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Application No.: 09/287,248 (Filed: April 7, 1999 y. Dkt. No: 5119-00501 Inventor: McDevitt et al. Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

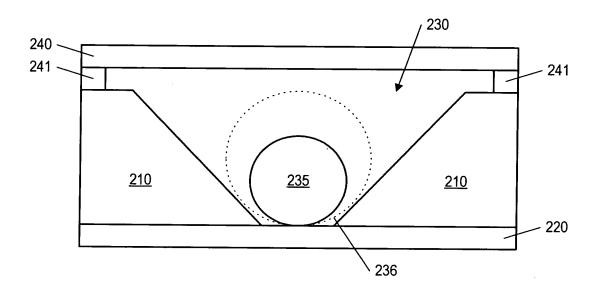
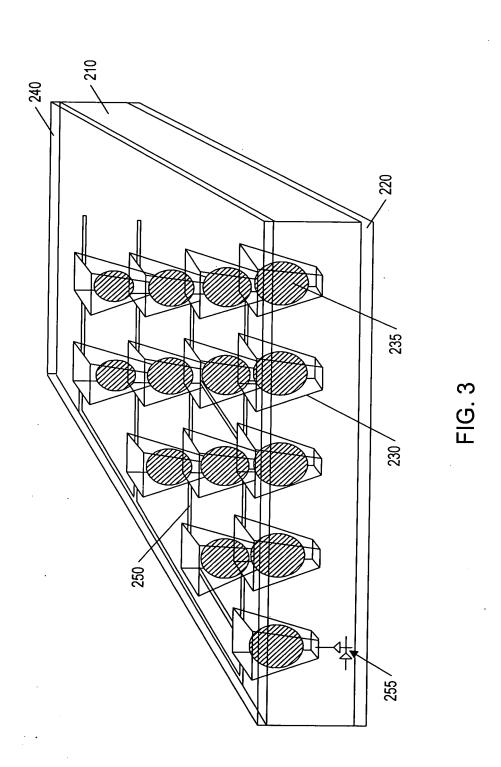


FIG. 2

Application No.: 09/287,248

Filed: April 7, 1999

Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY Dkt. No: 5119-00501 Inventor: McDevitt et al.



. Dkt. No: 5119-00501 Filed: April 7, 1999 Inventor: McDevitt et al. Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

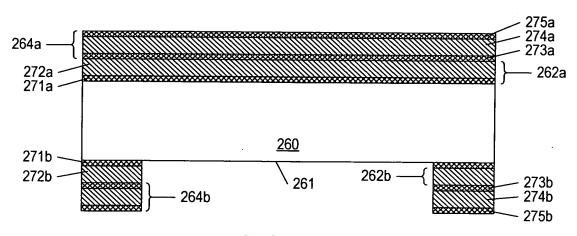


FIG. 4A

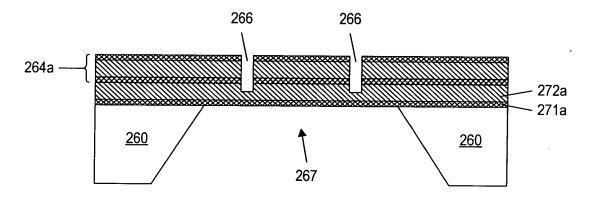


FIG. 4B

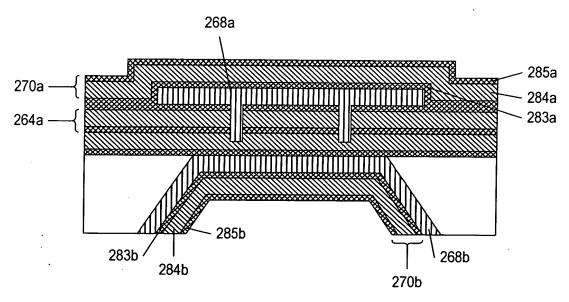
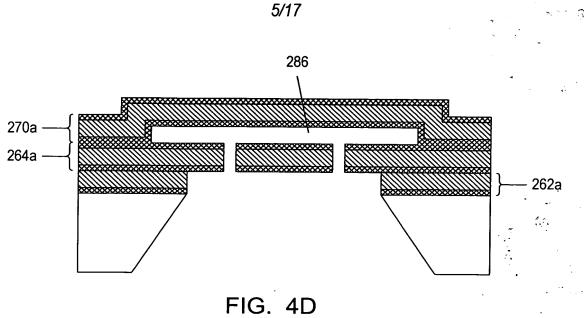


FIG. 4C

Application No.: 09/287,2 Filed: April 7, 1999

Atty. Dkt. No: 5119-00501 Inventor: McDevitt et al.

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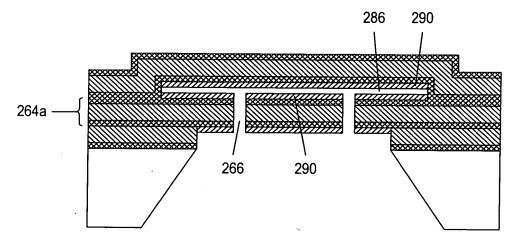


FIG. 4E

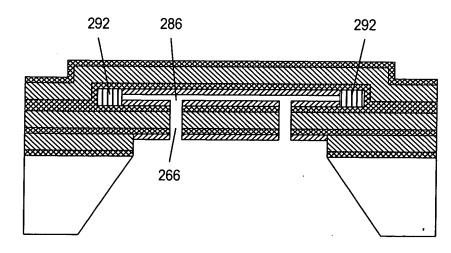


FIG. 4F

Atty. Dkt. No: 5119-00501 Inventor: McDevitt et al.

Application No.: 09/287, Atty. Dkt. Filed: April 7, 1999

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Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

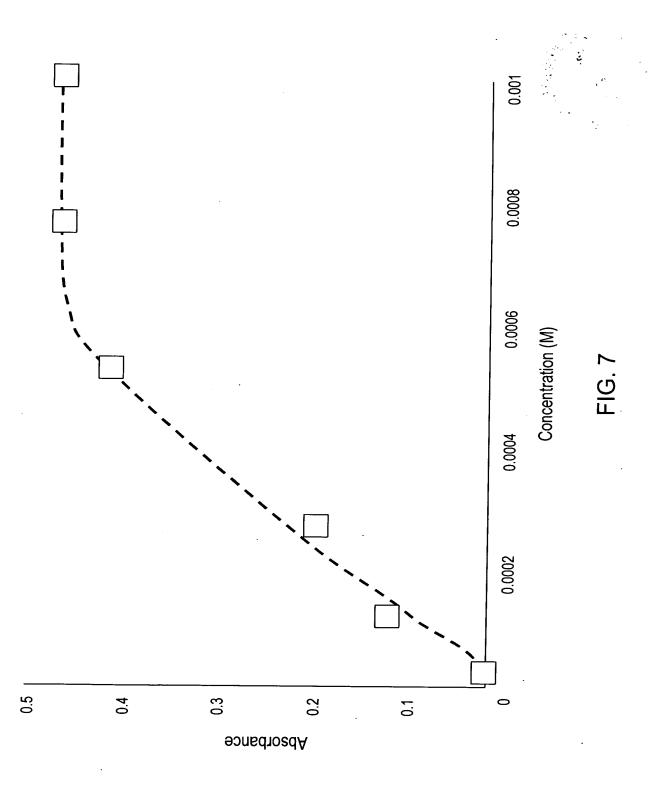
Atty. Dkt. No: 5119-00501 Inventor: McDevitt et al.

Application No.: 09/287,2

Filed: April 7, 1999

Inventor: M

Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY



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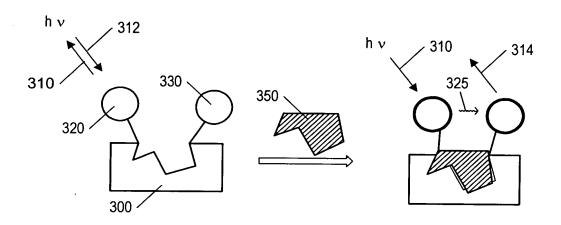


FIG. 8

. Dkt. No: 5119-00501 Filed: April 7, 1999 Inventor: McDevitt et al. Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

FIG. 9

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**Peptides** 

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**Nucleotides** 

Polythioureas

Polyguanidiniums

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$$\begin{array}{c|c} & & & \\ \hline \\ H_2N-R_3-NHtBOC \\ \hline \\ R_1 \\ \end{array} \begin{array}{c} O \\ H \\ N \\ H \\ \end{array} \begin{array}{c} N \\ N \\ H \\ H \\ \end{array} \begin{array}{c} N \\ N \\ R_3 \\ -NH_2 \\ \end{array}$$

FIG. 11

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$$NH_{2}$$
 $H_{2}N + R_{1} - NH_{2}$ 
 $H_{3}N + R_{1} - NH_{2}$ 

FIG. 12

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tBOCNH 
$$CO_2$$
H  $BH_3$   $THF$   $A50$   $A50$   $A50$   $BH_3$   $A50$   $A50$ 

FIG. 13

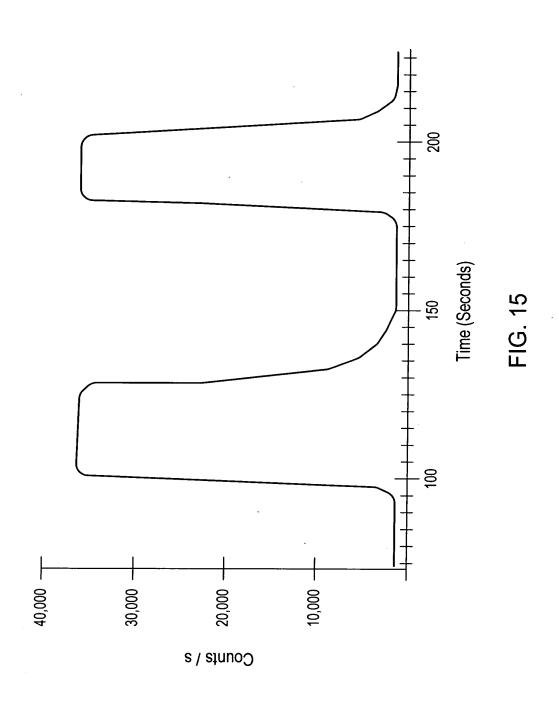
v. Dkt. No: 5119-00501 Filed: April 7, 1999 Inventor: McDevitt et al. Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

FIG. 14

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y. Dkt. No: 5119-00501 Filed: April 7, 1999 Inventor: McDevitt et al. Title: FLUID BASED ANALYSIS OF MULTIPLE ANALYTES BY A SENSOR ARRAY

RESIN: 0-Cresol-						A1: 3+
рН	lon	Blank	Alizarin	o-Cresol- phthalein	Fluorescein	Alizarin-Ce 3+ complex
2	none	R G B	R G S B	RG B	R G B	R G B
2	Ca <sup>2+</sup>	R G B	R G B	R G B	R G B	R G B
7	none	R G B	R II G	R G B	R G B	R G B
7	Ca <sup>2+</sup>	R G B	R G	R G B	R G B	R G B
7	F -	R G B	R G B	R G B	R G B	R G B
12	none	ш <u>кы</u>	R G B	R G B	R G B	R G B
12	Ca <sup>2+</sup>	R G B	R G B	R G S S S S S S S S S S S S S S S S S S	R G S B	R G B
12	F -	R G	R G B	™ R G B	R G	R G B